



# ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

## Livestock Facility Inspection Checklist

GENERAL INFORMATION									
TYPE OF INSPECTION: <input checked="" type="checkbox"/> CAFO <input checked="" type="checkbox"/> COMPLAINT <input type="checkbox"/> RECONNAISSANCE <input type="checkbox"/> ERU FOLLOW UP <input type="checkbox"/> OPERATOR REQUEST <input type="checkbox"/> OTHER									
FACILITY NAME (LLC, Inc., Corp, Partnership, sole proprietorship, etc.) <b>Clover Farms</b>						INSPECTION DATE <b>5/10/11</b>		ARRIVAL TIME <b>12:30 PM</b>	
ADDRESS <b>6235 North Silver Road</b>						INSPECTOR(s) <b>Bruce Rodely</b>		DEPARTURE TIME <b>3:30 PM</b>	
CITY <b>Dundas</b>				STATE <b>IL</b>		ZIP CODE <b>62425</b>		ACCOMPANIED BY (if applicable) <b>Brian Rodely</b>	
LEGAL DESCRIPTION		COUNTY <b>Richland</b>	SECTION <b>11</b>	TOWNSHIP <b>4 N</b>	RANGE <b>10 E</b>	TEMPERATURE <b>85</b>	PRECIPITATION TYPE <b>None</b>		
Facility Owner(s): <small>Exemption 6 and Exemption 7(C)</small>		NAME <b>Tony Graves</b>				CONTACTED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		PHONE	MOBILE <small>Exemption 6 and Exemption 7(C)</small>
		ADDRESS		CITY		STATE		ZIP CODE	
		NAME				CONTACTED <input type="checkbox"/> YES <input type="checkbox"/> NO		PHONE	MOBILE
		ADDRESS		CITY		STATE		ZIP CODE	
Facility Operator(s): <small>Exemption 6 and Exemption 7(C)</small>		NAME				CONTACTED <input type="checkbox"/> YES <input type="checkbox"/> NO		PHONE	MOBILE
		ADDRESS		CITY		STATE		ZIP CODE	
		NAME				CONTACTED <input type="checkbox"/> YES <input type="checkbox"/> NO		PHONE	MOBILE
		ADDRESS		CITY		STATE		ZIP CODE	
NPDES PERMIT INFORMATION (If no NPDES Permit, skip this section)									
1. What type of NPDES permit has been issued? <input type="checkbox"/> Individual NPDES Permit <input type="checkbox"/> General NPDES Permit								NPDES #	
2. What date was the NPDES permit issued?									
3. What date does the NPDES permit expire?									
4. Is a copy of the NPDES permit onsite?								<input type="checkbox"/> YES	<input type="checkbox"/> NO
5. Permitted number of animal units?									
6. Does the NPDES Permit contain a compliance schedule?								<input type="checkbox"/> YES	<input type="checkbox"/> NO
7. Have there been any changes made to the production area since the permit was issued?								<input type="checkbox"/> YES	<input type="checkbox"/> NO
If "YES", provide a detailed description of those changes. <b>None</b>									

<b>LAND APPLICATION/NUTRIENT MANAGEMENT</b>		
1. How many TOTAL acres are available for land application? <u>2200</u> acres		
2. How many acres are READILY available for land application at the time of inspection? <u>2200</u> acres		
3. Estimated annual quantities of liquid waste <u>9306862</u> gallons		
4. Estimated annual quantities of solid waste <u>6084</u> tons		
5. Does the facility have a contractor perform land application? If "YES", Name of Contractor: _____	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
6. What type of land application equipment is available to the facility? <input type="checkbox"/> Umbilical Injection <input type="checkbox"/> Honeywagon Injection <input type="checkbox"/> Honeywagon Surface <input type="checkbox"/> Irrigation <input checked="" type="checkbox"/> Rotational Gun <input checked="" type="checkbox"/> Manure Spreader <input type="checkbox"/> Vegetative Filter <input type="checkbox"/> Other _____		
7. Does the facility calibrate the land application equipment? If "YES", What method is used? <b>Manufacturer recommended</b>	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
8. Does the facility land apply within the 150 foot setback from any water well? If "YES", Explain	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
9. Does the facility land apply within the 200 foot setback from any surface water? If "YES", Explain	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
10. Does the facility land apply near any residences? If "YES", Explain <b>Neighbor next to field</b>	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
11. Is livestock waste transferred off-site to another party? If "YES", Are records of manure transfers kept? If "YES", Ask to see records	<input type="checkbox"/> YES <input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO
12. Does the facility have a current NMP or CNMP? If "YES", Does the facility maintain a copy of the nutrient management plan (NMP) onsite?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> YES	<input checked="" type="checkbox"/> NO <input type="checkbox"/> NO
13. Does the NMP reflect the current operational characteristics (number of animals, cropping, etc.)?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
14. Are the number of acres owned/leased consistent with those in the NMP?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
15. Is manure and wastewater being applied in accordance with setback/buffer requirements of the NMP?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
16. Are all of the records identified in the NMP being maintained and kept current?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
17. Are records being maintained at the required frequency?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
18. Are records being maintained onsite for the period required by NMP and/or NPDES permit?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
19. Is the NMP adequately addressing the storage, handling and application of manure and wastewater to prevent discharges to waters of the U.S.?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

**LIVESTOCK FACILITY DESCRIPTION****Facility Type**☒ Total Confinement Buildings☐ Open Earthen Feedlot☐ Open Confinement Buildings☐ Vegetated Pasture☒ Open Concrete Feedlot☐ Other \_\_\_\_\_

Type of Animals	Number of Animals (currently)	Capacity	Type of Confinement
<b>DAIRY MILKING</b>	<b>460</b>	<b>632</b>	<b>Open and Total</b>
<b>DAIRY DRY</b>	<b>70</b>		
<b>CALVES</b>			

Does the facility have an Illinois Certified Livestock Manager (300 or greater animal units)? ☐ N/A ☐ YES ☒ NO

If greater than 1000 animal units but less than 5000 animal units, does the facility have a waste management plan? ☒ N/A ☐ YES ☐ NO

If greater than 5000 animal units, has the facility submitted a waste management plan to IDOA for review? ☒ N/A ☐ YES ☐ NO

Does the facility have any other locations under common ownership, or where equipment and/or manure is shared, or where the other site shares land application sites? If so, put names and addresses below. ☐ YES ☒ NO

**None****LIVESTOCK WASTE STORAGE**

- Does the facility have any existing livestock waste containment system? ☒ YES ☐ NO  
If NO, then proceed to question 10.
- General description of the waste containment system (include solid and liquid manure handling, mortality, and feed storage areas).  
**Existing earthen holding/settling pond (E1 with 1500274 gal) with planned earthen settling pond (P1 with 398137 gal) both will be pumped to an earthen holding pond (P2 5698694). Composting mortalities with a planned composting building.**

Type of Storage	Total Storage Capacity (Specify Units)
<input type="checkbox"/> Anaerobic Lagoon	
<input type="checkbox"/> Covered Lagoon	
<input type="checkbox"/> Holding Pond	
<input type="checkbox"/> Above Ground Storage Tank ("Slurrystore")	
<input type="checkbox"/> Below Ground Storage Tank	
<input checked="" type="checkbox"/> Settling Basin	
<input type="checkbox"/> Roofed Storage Shed	
<input type="checkbox"/> Concrete Pad	
<input type="checkbox"/> Impervious Soil Pad	
<input type="checkbox"/> Underfloor Pits	
<input type="checkbox"/> Anaerobic Digester	
<input type="checkbox"/> Manure Stacks	
<input type="checkbox"/> Vegetative Filter	
<input type="checkbox"/> Other _____	
<input type="checkbox"/> None	

3. Do the storage structures have depth markers or staff gauges? ☐ YES ☒ NO

4. Are levels of manure in the storage structures recorded and records kept? ☐ YES ☒ NO

5. Do the storage structures have adequate freeboard? ☒ YES ☐ NO

6. Estimated final stage storage structure freeboard 6 in.

7. Do facility personnel perform routine visual inspections of the storage structures? ☒ YES ☐ NO

8. Are the routine visual inspections documented? ☐ YES ☒ NO

9. Does the system have an outfall or discharge point? ☐ YES ☒ NO

If "YES", please provide a description (overflow pipe, spill way, etc. Include a description the area receiving the discharge).  
**None**

10. Are there any portions of the production area where runoff is not controlled? ☒ YES ☐ NO

If "YES", provide a detailed description of the area(s) of concern:  
**Conditions have been too wet to begin construction of proposed facilities. Permits for construction have been in place for over 2 years.**

**MORTALITIES MANAGEMENT**

1. How are mortalities managed? (Composted, buried, burned, rendering service, other)  
**Composted**

2. Are mortalities documented and are records kept? ☒ YES ☐ NO

**FACILITY WATER SOURCES**

1. What type of method is used to provide drinking water for the animals?  
☐ Overflow waters   ☐ Tip Tanks   ☐ Nipple waters   ☒ Water Bowls   ☐ Other \_\_\_\_\_
2. How is the water for animals obtained?  
☐ Community PWS   ☒ On-Site Well   ☐ On-Site Impoundment   ☐ Other \_\_\_\_\_
3. Is a mist cooling system used? ☒ YES   ☐ NO  
How is mist water contained?  
**Holding ponds.**

**DAIRY OPERATION (If No Dairy, skip this section)**

1. How many times per day are cows milked? 2
2. Describe how the dairy's non-contact cooling water is contained (Example: it is reused for drinking water for the animals).  
**Watering tank for animals.**
3. Describe how the milking parlor is cleaned (hose or flush) and where the process wastewater goes and how it is contained.  
**Hosed down and contained in holding pond.**
4. Describe how the tank(s) are washed and where the process wastewater goes and how it is contained.  
**Parlor waste to holding pond.**
5. Describe where process wastewater from the plate cooler goes and how it is contained.  
**Drinking water.**

**BEDDING (If No Bedding, skip this section)**

1. Describe what type of bedding is used for the animals.  
**Sand**
2. Describe how bedding is collected and how often.  
**Settling basin 1 time per week.**
3. What is done with the used bedding? ☒ Reused   ☐ Land Applied

**MANURE COLLECTION**

1. How is manure collected?
- ☐ Under Floor Pit
- ☐ Scraped: ☐ Automatic ☒ Manual
- ☒ Flush
- ☐ Solids Separator
- ☐ Other: \_\_\_\_\_
- ☐ None
2. If manure collection system uses either clean or reused water to flush, describe where this water goes and how it is contained.
- Water is contained in holding pond and reused.**

**FEED STORAGE CONTAINMENT**

1. Describe how feed (silage, hay, etc) is contained.
- ☐ Bulk Bins
- ☒ Silage Pit
- ☐ Ag Bags
- ☒ Hay: ☒ Barn ☐ Outdoor
- ☐ Other: \_\_\_\_\_
2. Describe how feed (silage, hay, etc) runoff is contained.
- ☐ Not Applicable – Feed totally enclosed
- ☒ Other: **Awaiting construction on containment sump for holding ponds.**
- ☐ None

**RECEIVING SURFACE WATERS**

1. Provide a description of the flow path from the facility to the nearest named surface water.

**Overland flow and unnamed tributaries to Borah lake 3/4 mile south.**

2. What is the name of the receiving stream?

**None**

3. Status of the named surface water: ☒ Intermittent ☐ Perennial

4. Are any unnatural bottom deposits observed in the receiving stream: ☐ YES ☒ NO

If "YES", provide a description of the deposits: **None**

**DISCHARGES**

1. Have there been any documented discharges of livestock waste to surface water <b><i>in the past year?</i></b> If "NO" proceed to question 2.	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
a. If "YES", specify the date(s). <b>07/22/10</b>		
b. What was the reason for the discharge? <b>Runoff from land application during wet weather</b>		
c. Was the discharge the result of a 25 year-24 hour rainfall event?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
d. What was the precipitation amount? <i>(if applicable)</i>		
e. Was IEEMA notified of the discharge?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
f. Has the facility taken corrective action to remedy the situation which caused the discharge(s)?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
If "YES", describe actions taken: <b>Installation of new holding ponds pending weather.</b>		
2. Is the facility currently discharging livestock waste from the production area? If "NO" proceed to next section.	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
b. Was the discharge the result of a 25 year-24 hour rainfall event?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
c. What was the precipitation amount? <i>(if applicable)</i>		
d. What is the reason for the discharge?		

**OTHER COMMENTS/NOTES**

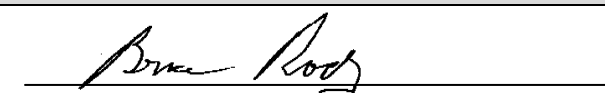
**The concrete feedlot has been overflowing into the ditch as a result of the rain and flooding the weeks prior to the May 4, 2011 complaint. The facility was not discharging at the time of investigation but had visible evidence of a previous discharge from the concrete lot. The facility was advised to repair the feedlot and pump the existing holding pond immediately.**

**The facility also is in the process of building 2 new holding ponds and a collection system for the silage along with curbing for the concrete feedlot. The facility has Illinois Dept of Ag permits, IEPA storm water construction permits, and has a current and updated CNMP by Mauer Stutz Engineering. They also have the engineering plans at the facility and have been waiting for the mud to dry up to start construction.**

**The facility is a medium CAFO with NO man made conveyance for the discharge. They have a duty to apply for an NPDES permit but should not receive a permit per USEPA.**

**Tony Graves telephoned 5/13/11 and stated that he pumped down the holding pond with rotational gun land application.**

Will an inspection report be attached? ☐ YES ☒ NO

**INSPECTOR'S SIGNATURE****REPORT DATE**

**07/20/2011**